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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: **Herweijer et al.**,)
)
Serial No.: **09/932521**)
)
Filed: **08/17/2001**)
)
Group Art Unit:)

For: **COMPOSITIONS AND METHODS FOR DRUG DELIVERY USING pH SENSITIVE MOLECULES**

INFORMATIONAL STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. 1.56, applicant hereby calls to the attention of the Patent and Trademark Office the publications listed on the attached PTO 1449. One copy of each publication is attached.

UNITED STATES PATENTS

<u>Patent No.</u>	<u>Inventor</u>	<u>Issue Date</u>
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FOREIGN PATENTS

<u>Patent No.</u>	<u>Inventor</u>	<u>Issue Date</u>
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REFERENCES CITED

Zhou et al., "Tn5 transposase mutants that alter DNA binding specificity," J. Mol. Biol.; 1997, vol. 271, pp. 362-373

Zhang et al., "Expression of naked plasmid DNA injected into the afferent and efferent vessels of rodent and dog livers," Human Gene Therapy; 1997, vol. 8, pp. 1763-1772

Chen et al., "Linear DNAs concatemerize in vivo and result in sustained transgene expression in mouse liver," Molecular Therapy; March 2001, vol. 3, no. 3, pp. 403-410

Budker et al., "Naked DNA delivered intraportally expresses efficiently in hepatocytes," *Gene Therapy*; 1996, vol. 3, pp. 593-598

Pinkert et al., "An albumin enhancer located 10 kb upstream functions along with its promoter to direct efficient, liver-specific expression in transgenic mice," *Genes and Development*; 1987, pp. 268-276

Jiao et al., "Persistence of plasmid DNA and expression in rat brain cells in vivo," *Experimental neurology*; 1992, vol. 115, pp. 400-413

Budker et al., "The efficient expression of intravascularly delivered DNA in rat muscle," *Gene Therapy*; 1998, vol. 5, pp. 272-276

Zhang et al., "Efficient expression of naked DNA delivered intraarterially to limb muscles of nonhuman primates," *Human Gene Therapy*; 2001, vol. 12, pp. 427-438

Liu et al., "Hydrodynamics-based transfection in animals by systemic administration of plasmid DNA," *Gene Therapy*; 1999, vol. 6, pp. 1258-1266

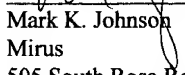
Zhang et al., "High levels of foreign gene expression in hepatocytes after tail vein injections of naked plasmid DNA," *Human Gene Therapy*; 1999, vol. 10, pp. 1735-1737

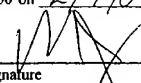
Trubetoskoy et al., "Self-assembly of DNA-polymer complexes using template polymerization," *Nucleic Acids Research*; 1998, vol. 26 no. 18, pp. 4178-4185

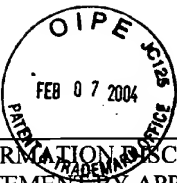
Trubetskoy et al., "Caged DNA does not aggregate in high ionic strength solutions,"

Bioconjugate Chem.; 1999, vol. 10, pp. 624-628

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<p>I hereby certify that this correspondence is being deposited with the United States Postal Service as Express Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on <u>2/7/02</u></p> <p> Signature</p>
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT FORM PTO-1449	Attorney Docket No.: 23.01	Serial No.: 09/932521
	Applicant: Herweijer et al.,	Group: Examiner:

U.S. PATENT DOCUMENTS

Exmnr Intl	Seq	Patent Number	Issue Date	Patentee	Class	Sub Class	Filing Date
							08/17/2001

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		Document Number	Publ. Date	Country or Patent Office	Class	Sub Class	Transl. Yes No	

OTHER DOCUMENTS (Including Author, Title, Date Pertinent Pages, etc.)

		Bioconjugate Chem.; 1999, vol. 10, pp. 624-628.
		Budker et al., "Naked DNA delivered intraportally expresses efficiently in hepatocytes," Gene Therapy; 1996, vol. 3, pp. 593-598.
		Budker et al., "The efficient expression of intravascularly delivered DNA in rat muscle," Gene Therapy; 1998, vol. 5, pp. 272-276.
		Chen et al., "Linear DNAs concatemerize in vivo and result in sustained transgene expression in mouse liver," Molecular Therapy; March 2001, vol. 3, no. 3, pp. 403-410.
		Jiao et al., "Persistence of plasmid DNA and expression in rat brain cells in vivo," Experimental neurology; 1992, vol. 115, pp. 400-413.
		Liu et al., "Hydrodynamics-based transfection in animals by systemic administration of plasmid DNA," Gene Therapy; 1999, vol. 6, pp. 1258-1266.
		Pinkert et al., "An albumin enhancer located 10 kb upstream functions along with its promoter to direct efficient, liver-specific expression in transgenic mice," Genes and Development; 1987, pp. 268-276.
		Trubetskoy et al., "Self-assembly of DNA-polymer complexes using template polymerization," Nucleic Acids Research; 1998, vol. 26 no. 18, pp. 4178-4185.
		Trubetskoy et al., "Caged DNA does not aggregate in high ionic strength solutions,"
		Zhang et al., "Efficient expression of naked DNA delivered intraarterially to limb muscles of nonhuman primates," Human Gene Therapy; 2001, vol. 12, pp. 427-438.



		Zhang et al., "Expression of naked plasmid DNA injected into the afferent and efferent vessels of rodent and dog livers," Human Gene Therapy; 1997, vol. 8, pp. 1763-1772.	
		Zhang et al., "High levels of foreign gene expression in hepatocytes after tail vein injections of naked plasmid DNA," Human Gene Therapy; 1999, vol. 10, pp. 1735-1737.	
		Zhou et al., "Tn5 transposase mutants that alter DNA binding specificity," J. Mol. Biol.; 1997, vol. 271, pp. 362-373.	

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